

# Converting Colors

$Y_{xy}(44.0172, 0.2593, 0.3417)$

Have a look what the booklet for  
Yxy(44.0172, 0.2593, 0.3417)  
contains.

<b>Yxy(43.8686, 0.2591, 0.3408)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(43.8686, 0.2591, 0.3408)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6CBFB7
RGB	108, 191, 183
RGB Percent	42%, 75%, 72%
CMY	0.5769, 0.2509, 0.2824
CMYK	0.44, 0.00, 0.04, 0.25
HSL	174°, 39%, 59%
HSV	174°, 44%, 75%
XYZ	33.3520, 43.8686, 51.5018
YIQ	165.2710, -46.9000, -20.0840

# Conversions

## Conversions Part 2

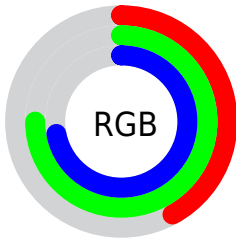
Format	Color
<b>RYB</b>	108, 152, 191
Decimal	7126967
CIELab	72.14, -27.25, -3.86
CIELCh	72, 27.522, 188.070
Yxy	43.8686, 0.2591, 0.3408
Android (android.graphics.Color)	4285317047 (0xFF6CBFB7)
YUV	165.2710, 8.7404, -50.2267
Hunter-Lab	66.2334, -26.0243, 0.2606

# Details

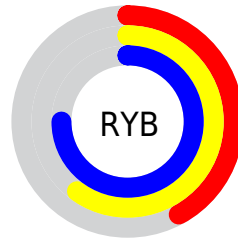
The Yxy color **43.8686, 0.2591, 0.3408** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.0425, 0.4142, 0.3183**, and the grayscale version is **37.7273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2593, 0.2689, 0.3391**, and **20.2068, 0.2438, 0.3436** is the 20% darker color. If you saturate the color by 10%, you get **42.7259, 0.2503, 0.3440**, and if you desaturate by 10%, it is **45.2780, 0.2695, 0.3378**.

# Distribution



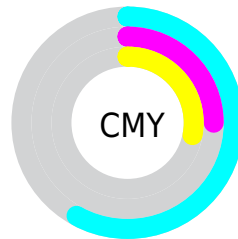
- Red (42%)
- Green (75%)
- Blue (72%)



- Red (42%)
- Yellow (60%)
- Blue (75%)



- Cyan (44%)
- Magenta (0%)
- Yellow (4%)
- Black (25%)




- Cyan (58%)
- Magenta (25%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.8686, 0.2591, 0.3408 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 43.8686, 0.2591, 0.3408 by changing the saturation by 10% instead.





 43.8686, 0.2591,  
0.3408

 43.8686, 0.2591,  
0.3408


362.1718, 0.2859,  
0.3352


 30.5672, 0.2524,  
0.3421


 81.0200, 0.2688,  
0.3388

 20.2695, 0.2439,  
0.3437


 105.6388, 0.2725,  
0.3381

 12.5911, 0.2326,  
0.3457


 134.7988, 0.2756,  
0.3374

 7.1476, 0.2170,  
0.3483

 168.8845, 0.2782,  
0.3369

 3.5546, 0.1940,  
0.3516

208.2803, 0.2805,  
0.3364

 1.4277, 0.1532,  
0.3573

253.3705, 0.2825,

 0.2370, 0.0000,

0.3359

0.3097

304.5395, 0.2843,  
0.3355

0.0000, 0.0000,  
0.0000

43.8686, 0.2591,  
0.3408

43.8686, 0.2591,  
0.3408

42.7259, 0.2503,  
0.3440

45.2780, 0.2695,  
0.3378

41.8275, 0.2433,  
0.3472

46.9647, 0.2813,  
0.3349

41.1557, 0.2381,  
0.3505


48.9451, 0.2941,  
0.3323

40.6880, 0.2349,  
0.3538

51.2325, 0.3078,  
0.3298

40.3976, 0.2334,  
0.3571


53.8396, 0.3220,  
0.3276

 40.2702, 0.2331,  
0.3592

 56.7785, 0.3364,  
0.3256

 60.0605, 0.3509,  
0.3238

 62.5959, 0.3605,  
0.3222

 62.6815, 0.3589,  
0.3202

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.8686, 0.2907, 0.3768



43.8686, 0.2591, 0.3408



43.8686, 0.2420, 0.3037

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



43.8686, 0.2591, 0.3408



43.8686, 0.2923, 0.2697



43.8686, 0.3876, 0.3764

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



43.8686, 0.2591, 0.3408



23.0425, 0.4142, 0.3183

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



43.8686, 0.3890, 0.3465



43.8686, 0.2591, 0.3408



43.8686, 0.3319, 0.2873

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



43.8686, 0.2591, 0.3408



43.8686, 0.2602, 0.2656



43.8686, 0.3682, 0.3147



43.8686, 0.3653, 0.3963



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.8686, 0.2591, 0.3408



43.8686, 0.2403, 0.2843



43.8686, 0.3682, 0.3147



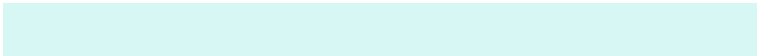
43.8686, 0.3906, 0.3671

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



43.8703, 0.2591, 0.3408



87.7588, 0.2945, 0.3322



42.0782, 0.3125, 0.4603



19.0858, 0.2916, 0.3328



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



43.8703, 0.2591, 0.3408



76.6321, 0.2508, 0.3437



31.3204, 0.2458, 0.2772



10.7932, 0.2997, 0.3312



26.4657, 0.2330, 0.3587



1.0414, 0.2308, 0.3509



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



23.0425, 0.4142, 0.3183



34.6098, 0.4494, 0.3164



31.2530, 0.4045, 0.3747



9.5509, 0.3274, 0.3268



7.3145, 0.6274, 0.3230



0.2916, 0.5856, 0.3000



# Previews

## White Background



This preview shows how the Yxy color 43.8686, 0.2591, 0.3408 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

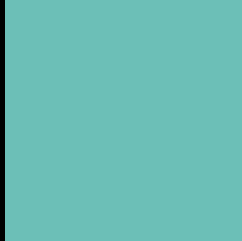
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.8686, 0.2591, 0.3408 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

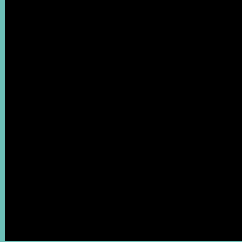
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

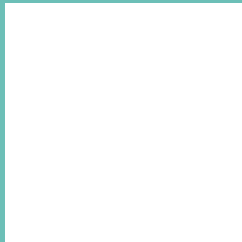
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.8686, 0.2591, 0.3408**

## Background



This preview shows how black text looks on a background with the Yxy color 43.8686, 0.2591, 0.3408.

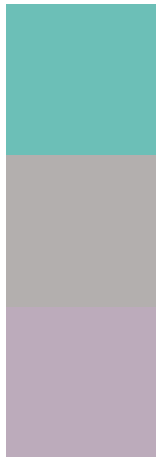


This preview shows how white text looks on a background with the Yxy color 43.8686, 0.2591, 0.3408.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

43.8686, 0.2591, 0.3408

### Protanopia

43.2996, 0.3171, 0.3304

### Deuteranopia

43.4050, 0.3146, 0.3084



## Tritanopia

43.8556, 0.2503, 0.3075

# Trichromacy



**Original Color**

43.8686, 0.2591, 0.3408

**Protanomaly**

42.9944, 0.2926, 0.3346

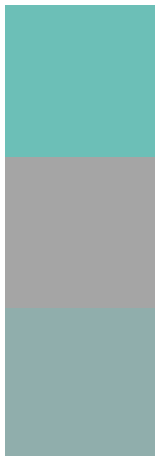
**Deuteranomaly**

42.7569, 0.2906, 0.3179

**Tritanomaly**

43.8255, 0.2534, 0.3187

# Monochromacy



**Original Color**

43.8686, 0.2591, 0.3408

**Achromatopsia**

37.6262, 0.3127, 0.3290

**Achromatomaly**

39.1800, 0.2887, 0.3319

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.8686, 0.2591, 0.3408 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(108, 191, 183)` looks like.

```
.text, #text, p{  
    color:rgb(108, 191, 183)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(108, 191, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 191, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 43.8686, 0.2591, 0.3408 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 191, 183) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(108, 191, 183) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(108, 191, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 191, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 191, 183);  
box-shadow:4px 4px 4px 4px rgb(108, 191,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.8686, 0.2591, 0.3408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 191, 183) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(108,  
191, 183) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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